



CI 60S / CI 60S-D

Cable Identification System

The Cable Identification System is an essential item in the kit for fault location of underground power cable networks. It consists of an Identification Transmitter, Identification Receiver, and Identification Tongs. The system is used for the identification of wanted cables from the bunch of cables in a power cable network.

The precise identification of a particular cable from a bunch is a common problem faced by technicians and cable jointers in everyday practice. The wrong identification of a power cable can result in catastrophic or fatal results if the cable is cut. This requires the most reliable system having no chance for wrong identification. The cable identification system incorporates all the safety features and gives 100% safe full identification of the wanted cable, and leaving no chance for an accident.

Features

- ✓ Non destructive, simple, and easy system to used and understand the operation.
- ✓ Identification of wanted cable from the bunch of cables in power network.
- ✓ Suitable for single and multi core armored or unarmored power cables.
- ✓ High Impulse current to offer reliable good result of identification.
- ✓ Cyclical pulse repetition for precise cable identification.
- ✓ Modulation control for better result.
- ✓ Operation on mains / internal battery supply.
- ✓ Manual selectable sensitivity control receiver from minimum to maximum.
- ✓ Rugged construction and easy to carry on site.
- ✓ Hand held, small, flexible receiver with center zero galvanometer.
- ✓ High pulse DC current up to 100 Amp.
- ✓ Availability of special tongs as per customer's requirement.
- ✓ Complete system is offered in a robust molded carrying case.

Applications

A Cable Identification System can be effectively used to identify any power cable low, medium, high, or extra high voltage single or multi-core cable of any grade, size, and insulation in any power distribution network company.

Technical Details

CABLE IDENTIFICATION SYSTEM

Specifications

CI 60S

CI 60S-D

Cable Identification Transmitter PG 60S

Power Supply	230V Ac $\pm 10\%$, 50 Hz, Single phase or from built in-Accumulator with internal charging supply
Impulse Voltage	65 V
Impulse Current	100 Amp
Impulse Sequence I	2.5s
Impulse Sequence II	2.5 and 1 s alternating
Indication	Analog moving coil meter for output current, Charging Indication, Power on indication, Low battery Indication
Operating Time	6 Hrs. Continuous
Working Temp.	0 Deg C-55 Deg C
Storage Temp.	-5 Deg C - 60 Deg C
Dimensions	242mm(L) x 134mm(W) x 245mm(D) mm
Weight	5.3 kg Approx.

Cable Identification Receiver PR 6

Cable Identification Receiver PR 6D

Sensitivity	100% at 400 Ω loop resistance
Display	Digital graphical display 128 x 64 with back-lit sensing.
Indication	Analog moving coil center zero Meter. Digital Arrow with Right Wrong indication
Power Supply	9V battery (Recommended Duracell)
Working Temp.	0°C - 55°C
Storage Temp.	-5°C - 60°C
Dimensions	197(L) x 108(W) x 68(D) mm 235mm(L) x 130mm(W) x 68mm(D)
Weight	0.4 kg Approx. 0.5 kg Approx.

Cable Identification Tongs CT120 (Optional CT 150)

Internal Diameter	120 mm
Dimensions	268mm(L) x 160mm(W) x 35mm(D)
Weight	1.08 kg

Standard Accessories

- Mains supply cord
- Output connecting cables
- Earthing cable